

What we claim is:

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5 1. An article comprising a textile fabric and a particle attracting polymer coated on the fabric, the article having a particle attraction coefficient of 50% or greater for one or more of the types of particles selected from the group consisting of carbon black, copper, copper oxide, silicon, silicon oxide, tungsten and tungsten oxide particles, and a particle count of particles greater than 0.5 microns of 75 million particles per square meter or less as measured by Biaxial Shake Test IEST-RP-CP-CC004.2.

2. The article of Claim 1 having 0.01 to 6 weight % of polymer relative to the weight of the fabric.

10 3. The article of Claim 1 wherein the fabric is woven or knitted, polyester fiber and has a weight of from 2 to 9 ounces per square yard.

4. The article of Claim 1 having a particle attraction coefficient of 100% or greater for carbon black.

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15 5. The article of Claim 1 wherein the polymer has an average molecular weight of 25,000 to 1,000,000 and the polymer has a plurality of pendent groups selected from the group consisting of hydroxy, hydroxyalkyl and carboxy groups.

6. The article of Claim 1 wherein the article is saturated with a solvent and packaged in a sealed container.

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7. The article of Claim 1 having a particle count of particles greater than 0.5 microns of 30 million particles per square meter or less as measured by Biaxial Shake Test IEST-RP-CP-CC004.2 and an extrinsic sorbency of 3.5 milliliters/meter squared or greater as measured by IEST-RP-CC004.2.

5 8. An article comprising a textile fabric and a particle attracting, water-soluble polymer coated on the fabric, wherein the polymer is selected from the group consisting of:

(i) polysaccharides having a plurality of pendent groups selected from hydroxy, hydroxyalkyl and carboxy groups; and

10 (ii) polymers formed by vinyl polymerization, having a plurality of pendent groups selected from hydroxy, hydroxyalkyl, carboxy, amino and alkylamino groups;

wherein the article has a particle attraction coefficient of 50% or greater for carbon black, and a particle count of particles greater than 0.5 microns of 75 million particles per square meter or less as measured by Biaxial Shake Test IEST-RP-CP-CC004.2.

15 9. The article of Claim 8 wherein the polymer has an average molecular weight of 25,000 to 1,000,000

10. The article of Claim 9 having 0.02 to 3 weight % of polymer relative to the weight of the fabric.

20 11. The article of Claim 9 wherein the polymer is selected from the group consisting of cellulose ethers, poly(vinyl alcohol) and vinyl alcohol copolymers.

12. The article of Claim 11 wherein the article is saturated with a solvent and packaged in a sealed container.

13. The article of Claim 11 having a particle attraction coefficient of 100% or greater for carbon black and a particle count of particles greater than 0.5 microns of 30 million particles per square meter or less as measured by Biaxial Shake Test IEST-RP-CP-CC004.2.

14. A wiper comprising a textile fabric and a particle attracting polymer coated on the fabric, wherein the polymer is selected from the group consisting of (i) cellulose ethers; (ii) inorganic cellulose esters; (iii) chitosan; (iv) guar gums and hydroxy, hydroxyalkyl and carboxy substituted derivatives thereof; (v) starch and hydroxy, hydroxyalkyl and carboxy substituted derivatives thereof; (vi) poly(vinyl alcohol) and vinyl alcohol copolymers; (vii) poly(vinyl pyrrolidone); (viii) poly(hydroxyalkyl acrylate) and poly(hydroxyalkyl methacrylate) and (ix) poly(alkyl acrylamide) and poly(alkyl acrylamide) copolymers;

wherein the article has a particle count of particles greater than 0.5 microns of 75 million particles per square meter or less as measured by Biaxial Shake Test IEST-RP-CP-CC004.2.

15. The wiper of Claim 14 having 0.05 to 1 weight % of polymer relative to the weight of the fabric.

16. The wiper of Claim 14 having a particle attraction ratio of 100% or greater for carbon black.

17. The wiper of Claim 16 wherein the fabric is woven or knitted, polyester fiber and has a weight of from 2 to 9 ounces per square yard.

18. The wiper of Claim 14 the polymer is selected from the group consisting of cellulose ethers, poly(vinyl alcohol) and vinyl alcohol copolymers.

19. The wiper of Claim 18 having from 0.02 to 3 weight % of polymer relative to the weight of the fabric and a particle attraction ratio of 50% or greater for carbon black.

20. The wiper of Claim 19 having a particle count of particles greater than 0.5 microns of 30 million particles per square meter or less as measured by Biaxial Shake Test IEST-RP-CP-CC004.2 and an extrinsic sorbency of 3.5 milliliters/meter squared or greater as measured by IEST-RP-CC004.2.

21. The wiper of Claim 14 wherein the article further comprises a surfactant residue in the range of 0.1 ppm to 0.5 wt.%.

22. The article of Claim 1 wherein the article further comprises a surfactant residue selected from the group consisting of anionic and nonionic surfactants, in the range of 0.5 ppm to 0.1 wt.%.

23. The article of Claim 8, wherein the article further comprises a surfactant residue in the range of 0.1 ppm to 0.5 wt.%.

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5 24. An article comprising a textile fabric and a particle attracting polymer coated on the fabric, the article having a particle attraction coefficient of 50% or greater for one or more of the types of particles selected from the group consisting of carbon black, copper, copper oxide, silicon, silicon oxide, tungsten and tungsten oxide particles, and a particle count of particles greater than 5 microns of 1 million particles per square meter or less as measured by Biaxial Shake Test IEST-RP-CP-CC004.2, and the article is packaged in a sealed container and has not been laundered subsequent to the particle attracting polymer having been coated on the fabric.

10 25. The article of Claim 24 having a particle attraction coefficient of 100% or greater for carbon black.

26. The article of Claim 24 wherein the polymer has an average molecular weight of 25,000 to 1,000,000 and the polymer has a plurality of pendent groups selected from the group consisting of hydroxy, hydroxyalkyl and carboxy groups.

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15 27. The article of Claim 24 wherein the article has a particle count of particles greater than 5 microns of 300,000 particles per square meter or less as measured by Biaxial Shake Test IEST-RP-CP-CC004.2.

28. The article of Claim 27 wherein the particle attracting polymer is water-soluble and is selected from the group consisting of:

20 (i) polysaccharides having a plurality of pendent groups selected from hydroxy, hydroxyalkyl and carboxy groups; and

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(ii) polymers formed by vinyl polymerization, having a plurality of pendent groups selected from hydroxy, hydroxyalkyl, carboxy, amino and alkylamino groups.

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~~29. The article of Claim 24 wherein the article has a particle count of particles greater than 5 microns of 150,000 particles per square meter or less as measured by~~

5 Biaxial Shake Test IEST-RP-CP-CC004.2.

30. The article of Claim 29 wherein the particle attracting polymer is selected from the group consisting of (i) cellulose ethers; (ii) inorganic cellulose esters; (iii) chitosan; (iv) guar gums and hydroxy, hydroxyalkyl and carboxy substituted derivatives thereof; (v) starch and hydroxy, hydroxyalkyl and carboxy substituted derivatives thereof;

10 (vi) poly(vinyl alcohol) and vinyl alcohol copolymers; (vii) poly(vinyl pyrrolidone); (viii) poly(hydroxyalkyl acrylate) and poly(hydroxyalkyl methacrylate) and (ix) poly(alkyl acrylamide) and poly(alkyl acrylamide) copolymers.

31. The article of Claim 24 wherein the article is saturated with a solvent and packaged in a sealed container.